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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,228

DATE: 02/15/2002

TIME: 11:18:48

Input Set : N:\Crf3\RULE60\09830228.raw Output Set: N:\CRF3\02152002\1830228.raw

## SEQUENCE LISTING

	. 3	(1) GENE	RAL INFORMATION:
	7	(i)	APPLICANT: Gil Choi et. al.
	10	(ii)	TITLE OF INVENTION: Borrelia burgdorferi Polynucleotides and Sequences
	13		NUMBER OF SEQUENCES: 155
	16	(iv)	CORRESPONDENCE ADDRESS:
	18		(A) ADDRESSEE: Human Genome Sciences, Inc.
	20		(B) STREET: 9410 Key West Avenue
	22		(C) CITY: Rockville
	24		(B) STREET: 9410 Key West Avenue (C) CITY: Rockville (D) STATE: Maryland (E) COUNTRY: USA
	26		(E) COUNTRY: USA
	28		(F) ZIP: 20850
	31	(V)	COMPUTER READABLE FORM:
	33		(A) MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
	35		(B) COMPUTER: HP Vectra 486/33
	37		(C) OPERATING SYSTEM: MSDOS version 6.2
	39		(D) SOFTWARE: ASCII Text
	42	(vi)	CURRENT APPLICATION DATA:
>			(A) APPLICATION NUMBER: US/09/830,228
>			(B) FILING DATE: 24-Apr-2001
	48		(C) CLASSIFICATION:
	51	(vii)	PRIOR APPLICATION DATA:
	53		(A) APPLICATION NUMBER: PCT/US98/12764
	55		(B) FILING DATE:
	59	(viii)	ATTORNEY/AGENT INFORMATION:
	61		(A) NAME: Brookes, A. Anders
	63		(B) REGISTRATION NUMBER: 36,373
	65		(C) REFERENCE/DOCKET NUMBER: PB370PCT
>		(ix)	TELECOMMUNICATION INFORMATION:
	71		(A) TELEPHONE: (301) 309-8504
	73	(2) 7170	(B) TELEFAX: (301) 309-8512
	77		RMATION FOR SEQ ID NO: 1:
	80	(1)	SEQUENCE CHARACTERISTICS:
	81		(A) LENGTH: 910715 base pairs
	82		(B) TYPE: nucleic acid (C) STRANDEDNESS: double
	83		(D) TOPOLOGY: linear
	87	(vi)	SEQUENCE DESCRIPTION: SEQ ID NO: 1:
			FT TAATTAGTAT AGAATATGTT AAACTTTACC CTTGAATTTT TCTACTCTAT 60 FC TATAGAAAAA ACGATTAGAA TTAAACAAAG CCATAACTGA ACCAACGGTA 120
			AT AAAGGGATCA AAATATTTTT TATTGCAGCA AGAATACCTT GGTATATTAG 180 AA AGTCATAGTC AAATCATCTT TTGATAACAA TCCCCAAATC TATAATTTAT 240
			IN AUTOCOMOCOM MONINGORM COMMITTAN ACCIONATION ACCIONATIONI ACCIONATIONI ACCIONATIONI ACCIONATIONI ACCIONATIONI ACCIONATIONI ACCIONATIONI ACCIONATIONI

97 TATGAAATTA ATTGCTCCCT TGAAAAGATT AGTTTTTAAA ACTACAAGAC TACTATCAAT

C-C-

C-

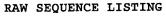
300



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Input Set : N:\Crf3\RULE60\09830228.raw
Output Set: N:\CRF3\02152002\I830228.raw

99 (	CACTATCAGA	TAGATTAAAA (	CAACCTTTAC	AAGAAAAAA	TCTTACTACT A	ATTTTATTGT	360
					TTTCACAACA		420
					TTTATAAATA		480
105	AGATATATAT	TTTTATATGA	TCAATAATAA	AAATTAATAG	GATACTTATT	TGGAAAAATT	540
107	ATTGAAAAAA	CAATAAGCAT	GAATTGCCAC	AATAAGCTAA	TTGTCACTTA	ATAATTCTTG	600
					TATAATATAG		660
					ATAAAAAGAT		720
					AAATCATAAC		780
					AATTACACCT		840
117					CATAACCTAC		900
119					AAATAGGGGC		960
					CACTATCCTA		1020
					AAGAATCTAG		1080
					ATTTATACAT		1140
127	ATTTTTTCA	TTTTTGAAAT	AATATTGTTA	TAACTTAACT	TAATAAGATA	TTTGATTTCT	1200
					CTCTGCCCCA		1260
					GATCTAGAGC		1320
					СТАСААААТА		1380
135	ACTTTAAATC	CTGTATAGCA	CTGTGTTTCA	ACTTTCTCAA	TTTCATTAAA	ATTTAAAACA	1440
					CGGAATTTAA		1500
					CAGAATCTGT		1560
141	ATGTCACTTT	TCTTGCTGTT	TACTAATACA	TCGCTTTTTT	TTTCATCAAA	AAACATACTA	1620
143	AAAATATTTT	TAATAATATC	ATTAAATATT	TTATCTGAAT	ATGTTTTTT	AAAACCAATT	1680
145	TTAGCTTTAA	AAAAATCAAG	CAAATCAACA	CTTGGATTTT	TTGTTTCCTT	TTTTAAATAA	1740
147	GCTGAAAATT	TGTCTGTATA	TTTTTTTCT	AATGCAAAAG	ATCTAGCCTC	TTCAACATTC	1800
149	AAAGAATTTC	TAGAAAACTT	TTTAAGATAT	TCAAAATCCT	TAGATGTTAA	TTTTTCTAAA	1860
151	TTAACAACCA	TAAAAGGCTC	ATTGTCTAAC	AAATTATCTT	TATCTAGGTC	AGTATAGAAT	1920
153	CTATATTCTA	TGCCATCTGT	TAATATACCA	AATTCAACTC	TCTTTGCTTG	AGAACGAATA	1980
155	TTTTCAAAAT	AAGGTTTTAA	TTGCTTTAGA	TGATTTTCAA	GCTTTTCCCT	GCTATTATGA	2040
157	TATTTGGCCT	CTATTAAAAT	AGTGGGTTCT	TCATCCTTTT	TTGTTGGATA	AATAACATAA	2100
159	TCAACCCTTT	TTAGTCCATC	TTTAAGAATA	TCTGCCTTCT	CTTCAACTTT	AACAATTGAA	2160
161	ATATCAGTAT	GATCATAGCC	CATCGCATCT	AAAAATGGAT	CAATAAGATT	TTGTCTTGTT	2220
163	TGTGCTTCAT	TTTCAATAAG	ATCCTTATCC	TTTTGAATTT	TTCTACTTAC	AGCTTTTATT	2280
165	GAATTTTCAA	AATTTATATC	TTTGTATTCA	TTTGGCATAA	TTATATTTTA	CCAATAAAAT	2340
167	TAAAAATTAA	TAATTCTAAA	AATAAATTTC	CAAAATGTTG	TCTATTTTAA	ACTCTTAACT	2400
169	GATACCTTAA	TTCTTTTTTC	TACCTAATTT	TTTAGTTTAA	AATCTTATTT	TTTAATTTTA	2460
171	TTATTTTTTC	CTTACCTTAT	TTATACTAAA	ATTTTTAGTA	TTTAGCGAAT	AATTTTCATA	2520
173	TCCTTTTATT	AAAGACAAAA	TATGATTTTC	TCTTTTTTGT	TTTTTAATAC	CTTAAAATCA	2580
175	CTAAGCAAAG	TAATAAAGTC	TTCTTTGGTT	AATGAATAAA	AGACTAGCTA	TAATAAAATT	2640
177	ATTTTATTTT	TCTTTACTAA	ATTCAAAATG	CTCTAAATAA	AGCAAATTAG	AGAAATTCAA	2700
179	AGGATCATTT	TTAGCTATTA	GCAGAGAAGT	GTTTTTTACC	AAAGTTAGAC	ATAATGAACT	2760
181	AGCCAAAATT	TCTTCTTTGG	GTTGAGGCAT	TGGACATTGA	CAAAGAAATG	ATTTTACAAT	2820
183	GTCGGTATTT	TAAAACAAAT	CTTCTAATCA	TAAAATCAAA	TACAGTGCAT	TGAAAATAGA	2880
					TCACAATTCA		2940
					TCATGGTTCT		3000
					ACTGATCATC		3060
					TATAACCTTC		3120
					CCCCAGAATA		3180
195	AAGTTTTCAT	TATTATATTC	CTTTAATAAA	GATTTGCGAT	TCTTTATACT	TGGATCTGGC	3240



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		AATTAATATC					3300
		ATGTTTAATT					3360
		CCTTAATAAT					3420
		TTTATTACTA					3480
		TTTGTTTTCA					3540
		AAGCTAAGAC					3600
209	AAAAAGTAGT	TATCATATCG	TCTTTAACCT	TAAATAAGGT	TGCTATAAAC	AACCAAGATA	3660
211	TTTAATTTCT	TTTAAAACCC	TTATTCAATC	TTTTTAAGCA	TAGGATCTTA	TAATTATAAG	3720
213	AATATAATTT	TATTTACATC	TCTATATTAA	TAGAAAGATG	CAAATATGTG	ATCAAATTGT	3780
215	TATTTTTGTA	ATATGGAATA	GTCCTTTATA	GGGACGCTTA	ATGCTCTATA	CTTAAGATTG	3840
217	GAATTCTCTA	TGAAAATATA	TACTCGCTAC	CCATGTAAAG	CTGACTTATT	TTAGCACGTA	3900
219	TCGCTTAAAC	AATTATATTT	ATATTATCTT	TTATAAAGTT	AATTTTTTCT	TGTAGATTAT	3960
		AAAAGGCACA					4020
		AAAGTACATA					4080
		GAAAACCTTA					4140
		TATAAATTAG					4200
229	GGTAGTAAAT	TCTGGAACTG	AAATTTACTA	TAAACTCAAT	TATTCTAAAA	AAAATATTGC	4260
231	CTTAAATTAA	AGAATGCCTT	AAAAAAACAA	AATGCTCTGA	TTTAAACCTA	TACCCAAAAT	4320
		TAAAGAAGAA					4380
		GCTCAGTATG					4440
		ATAAACTTCC					4500
		TTTTTATTCT					4560
		ACACATCTAA					4620
241	ΤΑΤΑΤΤΤΑΤΑ	AACTTTATTA	GCACTCATAA	TTTTACTAAA	TTAATATATT	ATATTTAATT	4680
245	ΤΑΙΚΙΙΙΙΚΑ	ATTTATCTCC	ATTTACCAAA	AAAACTAAAA	TAAAACTCTC	CAAACTTATA	4740
243	Δαααααπα	TAAGGCAAAA	CCCCAACAAA	CTCAAGATCT	ATAATACAAA	AATACAATAT	4800
		AGCTTAAAAA					4860
		GAATTCCAAT					4920
		ATTATTTTTA					4980
		CAAATACATT					5040
		TGTACAAGAT					5100
257	CAAMCCACAM	TTTTTCTTTA	ΜΙΜΙΟΟΙΜΙ	ΔΑΔΤΤΑΤΤΑΑ	AATAAATAGA	AATTAAAATT	5160
223	ACCANANAMA	TTATTATAGT	AMMMMITCI	ͲΔΔΔΩΟͲΔͲͲ	ΤΤΤΑΤΤΑΑΑΑ	СТСАТААТАА	5220
263	ACCARAAAIA	GCTAAAATAA		Стттааатта	TATCAAAĞAC	ТТАСАТТТАА	5280
203	WANTATAMIA	AAAAGGCAAA	CCTATATA	ССАТАТАСТТ	Δητητάπητα	TTTTTTTCATT	5340
203	WHINITIANI	TAATTTAAAT	AACACTCAAT	CAAATAATCA	ΔΤΓΙΔΙΙΙΙ ΔΤΓΔΑΔΑΓΑΤΑ	TTGGGTGAAG	5400
		GTATTCTTGG					5460
		GGATGTTTAT					5520
		GTTAAAGAAA					55 <b>8</b> 0
2/3	MUUUNAAAAAT	TATATACATT	TCAAAIIAA		ΔΟΔΤΟΤΙΟΙΤΙ	ΑΤΤΑΓΑΓΑΑΤ	5640
2/3	TTTTAAAGAA	ATGATTTATT	1GCACATACC		ACAICIACIA AAAAACTTTTA	таасттасат	5700
2//	AAAAATAAAA	ATGATTIATT	AAGAAIIAII	AGIAACIIAI	TO TO THE TOTAL TO THE TOTAL T	GTATTTTATA	5760
						GTAGGAGAGA	5820
							5880
283	AAATATGAAA	AAAAAAAATT	TATCAATTTA	. CAIGAIAATG	CIMMINAGII	TATTATCATG	5940
285	TAATACAAGT	GACCCCAATG	AATTAACTCG	TAAAAAAATG	TANGACAAGA TANGCOMOCATA	ACGTGAAAAT	6000
287	TTTAGGATTT	TTAGAGAAAA	TTCAAGCAGA	. TAATAAAGAA	ATIGITGAAA	AACATATAGA	6060
						TAGAGAGTAA	6120
291	TTTCCCATAT	TATCTTCAAG	AAGAAATAGA	GATAAAAGAA	ACMCMMCAAM	TTCCAAATAC	
293	TGATGAAGAA	. AAGAAGGCAG	AGAAGGCAAT	TAGCGATGGG	AGTOTTGAAT	TTGCTAAATT	6180



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295	AGTTGATGAT	GAAAATAAAC	TTAAAAATGA	ATCTGCGCAA	TTAGAATCTA	GTTTTAATAA	6240
					GCAGAGGTGC		6300
					GAAAAAGAAT		6360
301	AGAAATTAAG	AATAAGATAG	AAAAACAGGC	TCTAATTAAG	TTGTTCAATC	AGTTATTAGA	6420
303	AAAAAGAGGC	GATATTGAAA	ATCTTCATAC	TCAATTAAAT	AGTGGACTTA	GCGAGAGAGC	6480
305	ATCTGCAAAA	TACTTTTTTG	AGAAAGCCAA	AGAAACTTTA	AAAGCTGCTA	TTACTGAAAG	6540
307	ATTAAATAAC	AAACGTAAAA	ATCGGCCATG	GTGGGCAAGA	AGAACACATA	GTAATTTAGC	6600
309	AATACAGGCA	AAAAATGAGG	CAGAGGATGC	TTTAAACCAA	TTAAGTACTT	CTTCTTTTAG	6660
311	GATACTTGAA	GCAATGAAAA	TAAAGGAAGA	TGTAAAACAG	CTTCTTGAAG	AAGTAAAATC	6720
313	TTTTCTAGAT	TCTTCAAAGA	GCAAAATCTT	TTCTAGTGGC	GATAGATTAT	ATGATTTTTT	6780
					ACTTAAAATC		6840
					AAAGCTTGAT		6900
					AATGACTATA		6960
					AAACATAATC		7020
323	CATTAATACA	AACCTAAAAC	ATACTTGGTC	ACTTGTAAAA	GTAAATTGTA	TCTAACTTTT	7080
325	TTTATTTATT	GAATATACGT	AAAAATTCTT	TATAATTTCT	ATTTTAAAAC	GCTGCTATTT	7140
327	AGCAATACAA	TAAAAGGCAT	TACAGATTGC	AATCAAACAA	ACTAAAGTTT	AAATAAAATA	7200
329	TTACCCTCTG	TTCTAATCCT	ATCAAACAAG	GTAATAAATT	CTTTAAATTT	CTAAAAGCCT	7260
331	AAACTTTAAA	AGAACTTGTC	GAAAATAATA	TTTCTCTTAA	AAAAGGTTCT	AATCTTTTAT	7320
333	TTATAAGAAC	TTTTATACTA	TTATAAAAAT	GTATCTTGCC	TTGATATATT	TGTATTCTTT	7380
335	ATAAATCAAG	CCTTCTACTT	TTTTTAAGAA	TATTTCTATT	TTTTATAAAC	TAGTTTTCTA	7440
					AAATGTTAGC		7500
339	AAAATAGAGA	TAAAAAACTC	AATCATAAAT	AATGGTAAAA	CAAACTTAAA	CCACGTACCA	7560
341	TAACTCAATC	TGGATATCCC	CAATACAGCC	ATTATAACTC	CGCTGGTAGG	TGTTATCAAA	7620
343	TTAATAAGCC	CAGATGCAGT	CTGCATGGCA	ATAACAACTG	AAGCTCTTGG	AATTGACAAA	7680
345	AAATCGGCAA	GAGGAGCCAT	TATTGGCATA	GTGAGACTAG	CATGTCCTGA	TGAAGATGGA	7740
347	ACAACAAATC	CTATAAATAT	TTGAATAATT	TCATTCAATA	TGATAAAAAG	GGGTCTTGGA	7800
349	AGATTGTATA	AAAAATTAGT	AGCAGCATTT	AACATAGTAT	CTGTAATCAA	CCCATCATCA	7860
351	CATACTATCA	TAACACCTCT	AGCAAGTCCA	ATAACAAGAG	CAGCGGTTAG	CAGACTTTCA	7920
353	GAACCTTTCA	CAAACGCATC	CCACATTTCA	GTTTCACCTA	ATTTACAAAT	AAAAGCCGAT	7980
355	ATAATAGCAA	CTCCAAGATA	CAACATTGTC	ATTTCTTGCA	TCCACCAACC	AAGATTAACA	8040
357	ATGCTAAATA	TCAAAATCAA	TATCATAAAT	CCAAATAAAA	GTAAAACTAA	TTTATGAGCA	8100
359	AAAGTAAACT	CAAGAGCATT	CTGAGCATTA	TCTCCGGTAG	AAAGTCCATC	TTTTTTAACA	8160
361	AAATATTGAT	AATGTTCATC	TTTTTGAGAA	TACACAAGCG	ATTTTGAGGG	ATCCTTTTTA	8220
363	ATTTTAGACG	CATAAACACA	AACATAGGTT	ATAGCAGCCA	ATACTGATAC	AAAATAAAGA	8280
365	ACAATTCTAA	AATAAAATCC	ATCCTGCAAG	CTAATAGAAG	CTATTGCAGA	TGCAATTCCT	8340
					CAGCTCCTAA		8400
					AGGGAATCAT		8460
371	AAAGGAAGGG	TCTCTTCACT	CATTCCGGTT	ACAGTTCCAC	CAATTGAAAA	AATAAACATT	8520
					TGATTAAAAA		8580
					CCCCAACAAT		8640
					CGGTTAAAAT		8700
379	GGATGTAAAA	ATCCCCTAGA	GCCTCGATCT	ACATATTGAT	AAGTTCCAGC	AACAATTATT	8760
					CAAACTTACC		8820
					TTATTGTAAA		8880
					TAATTTCACA		8940
					GCACCCTATT		9000
					TAACTTCAAT		9060
391	CCGTATTTAT	CAAAAATATC	CTTACCAATC	ACAGTGTTTA	AGTCATGAAA	AGCAGGCAAG	9120



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393	CAATGCATAA	ATATTGCATC	ATCTTTTGCC	ATGCACATTA	TCTCTTTATT	AACCTGATAA	9180
395	GCCTTTAGAA	GATTTATTCT	ATCTTCCCAA	TTACTCTCCC	CCATAGATAC	CCACACGTCT	9240
397	GTATACACAA	CATCAGCACA	TTTAACAGCC	TCTTCTTTAG	AATCTGTAAT	TGTAATTTTA	9300
399	CCCCCACTCT	CTAGGGCTAA	AGACCTAGCC	TTAAGCGTCA	AATCGGGGTC	TGGAAAAAGC	9360
401	TCTTTGGGAG	CAAAAATTCT	AAAATCAAGC	CCCATAATAG	CACAGCCTTT	CAATAAAGAA	9420
403	TTAGCAACAT	TCCCCCTACC	ATCGCCACAA	AACACTATTT	TAATCCCTTT	CAAACTCCCC	9480
405	TTATGTTCTT	TTATTGTCAT	TAAATCGGCT	AGTATTTGGG	TTGGGTGAGA	AATATCTGTC	9540
407	AATCCATTGT	AAACAGGAAC	ATTAGAATAA	TTCGCCAAAC	ATTCAACAGT	CTGTTGAGAA	9600
409	AAGCCTCTAA	ATCCAATAGC	ATCATACATG	CGTCCCAAAA	CTCTAGCGGT	ATCTATCATA	9660
411	GACTCTTTTG	AGCCCATTTG	ATTACCCTTA	GATCCCAAAT	AAGTAATATT	TGCCCCTTGA	9720
413	TCATAGGCTG	CGATCTCAAA	AGCACACCGG	GTCCTTGTTG	AATCTTTCTC	GAAAATTATA	9780
415	ACTATATTTT	TACCTTTAAG	TTTTTGCACT	TCAATTCCTG	CATATTTTGA	CTTTTTTAAA	9840
417	TTAATCGATA	AATCAAGTAA	ATATTTAATA	TCTTTGCTTG	TAAAATCTAA	AAGATTTAAA	9900
419	AAGCTCCTAT	TTCGTAAATT	ATACATCAAC	CACCAACCTT	TACAATCAAG	TTTTTAAAAA	9960
421	CTCATTTAAC	TCATGCTTAA	ACATGCTTAA	ATATTAAATA	TCCTCTCTTA	CTAAAGACAT	10020
423	AGACATGCAT	CTTGGCCCAC	CACGACCCCT	TGAAAGCTCG	CTAGACGGAA	TTCTGTGAAC	10080
425	TTTAATACCA	TTTTCTTCAA	ACAĠCTTATT	AGTTACATGA	TTTCTAGAAT	AAGCAATTAC	10140
427	TTCTCCTGGA	GCTATCGCCA	AAACATTAGC	ACCATCATTC	CATTGTTCTC	TTGCACCATG	10200
429	TATTAAATCT	CCACCCGCAC	ATTTTATTAT	GTCAATTTTT	CTGCCTAAAT	AAAAGCTCAA	10260
431	AACATCTTTA	AGCTTGGCTT	TTTCTTTTTT	AATATTAATT	TTATTAGAAT	TTGAATTGTA	10320
433	AGTTAAAACA	TAAATTGAGA	AATACATATC	ATCACTTGTA	AAACTTGTAA	AAACGCTATA	10380
435	ATCAATTTGG	GTAAAAACTG	TGTCTAAGTG	CATATAGGCT	CTGTTTTTTG	GAATTTTAAA	10440
437	AGCCAAAATT	GTGCTAAATG	GAGCCTTATT	TTTAAAAAGA	CTAGCAGCTA	GTTTTTCTAC	10500
439	AGACCCCGCT	TCTGTTCTTT	CTGAGATTCC	AATAACCAAA	AGATCTTTAT	TTAAAACAAA	10560
441			AAGTTTCTTC			GAACATTTTC	10620
443			TAAAAATATA				10680
445			TTGTAATTCC				10740
447			GATCAATAAC				10800
449	AAGCGAAAAT		TAAGCTCTTC				10860
451			TAGAAAAATA				10920
453			TAAATTGAGA				10980
			GATCCTCAAC				11040
457			GCTCTTGTCT				11100
459	TAAAAAATTT		AGGGTGTCAA			GCCTATGAAG	11160
461	CAAAACTTTT		CTATTTCCGA				11220
463			ATGAAAATTG				11280
465			ATAATATTAA			-	11340
467			TCAAATCAAA				11400
469			GATTAATATT				11460
471			ATAATAAGTC				11520
			AAAGCTCTTT				11520
						TTTTAATAAA	
			AAATAAGCCC				11700
			TAAATAATGA				11760
			CAATTAAAAT			· · · · · · · · · · · · · · · · · · ·	
							11820
			ATGAAAATTT TAATTGAGCA				11880
							11940
						TAACAAAAGA	12000
409	AATAATAGAT	GGAAAAGAAT	ATATTGCACC	GCACATAATA	GCAAATCAAT	INTIAMAMAT	12060

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/830,228

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Input Set: N:\Crf3\RULE60\09830228.raw
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L:44 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:] L:46 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:] L:69 M:220 C: Keyword misspelled or invalid format, [(ix) TELECOMMUNICATION INFORMATION:] L:931 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=1 L:31345 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=2 L:37913 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=3 L:38695 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=4 L:39885 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=5 L:41537 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=6 L:42171 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=7 L:42877 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=8 L:43861 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=9 L:44115 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=10 L:45335 M:111 C: (47) String data converted to upper case, L:45617 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=14 L:45753 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=15 L:46065 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=16 L:46375 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=17 L:46665 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=18 L:46939 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=19 L:47407 M:111 C: (47) String data converted to upper case, L:47427 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=21 L:47633 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=22 L:47819 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=23 L:48023 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=24 L:48195 M:111 C: (47) String data converted to upper case, M:111 Repeated in SeqNo=25 L:48379 M:111 C: (47) String data converted to upper case,

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Input Set : N:\Crf3\RULE60\09830228.raw
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M:111 Repeated in SeqNo=26

L:48561 M:111 C: (47) String data converted to upper case,

M:111 Repeated in SeqNo=27

L:48693 M:111 C: (47) String data converted to upper case,

M:111 Repeated in SeqNo=28

L:56535 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:155